Clarion **TVX4151**

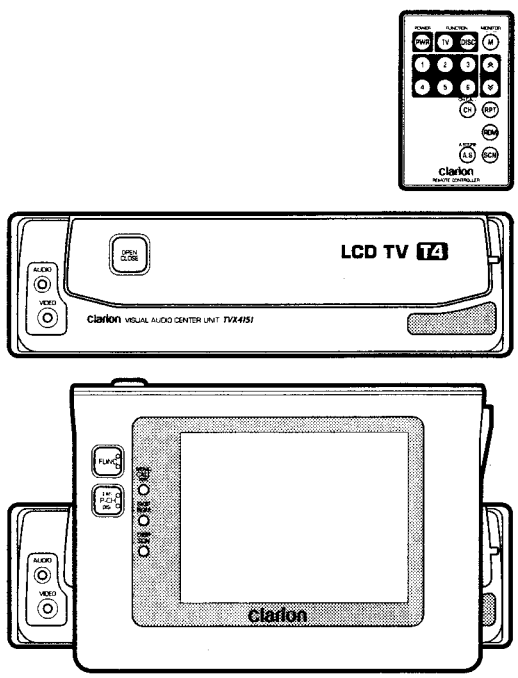
Owner's Guide
Bedienungsanleitung
Guida dell'utente

CAR COLOR LCD TV/VISUAL AUDIO CENTER UNIT

FARB-LCD-TV/VISUELLES AUDIO-HAUPTGERÄT FÜR AUTOS

TV LCD A COLORI PER AUTOMOBILE/UNITÀ CENTRALE AUDIO-VISUALE

CLAR-00458



Thank you for purchasing the TVX4151 system.
Please read this owner's guide in this entirety before proceeding with wire connection and installation.

Vielen Dank, daß Sie das TVX4151-System erworben haben. Bitte lesen Sie diese Bedienungsanleitung vollständig durch, bevor Sie mit dem Anschluß und dem Einbau fortfahren.

Grazie per aver acquistato il sistema TVX4151. Leggete questa guida dell'utente completamente prima di procedere con il collegamento dei fili e l'installazione.

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458

1. FEATURES

■ **4-inch Color LCD**
The TVX4151 uses a 4-inch TFT active matrix drive type color LCD (Liquid Crystal Display) panel providing powerful pictures.

■ **Various Tuning Methods**
TV stations can be tuned in easily using preset tuning (six stations each for VHF and UHF), manual tuning, and auto tuning.

■ **Push Up/Down Operation for Good Operability**
A push up/down operation is used to adjust the brightness and color density so the picture can be easily adjusted to suit your tastes.

■ **Designed for Driving Safety**
- The liquid crystal panel is automatically drawn back into the main unit after approximately 10 seconds if it is pulled out and left in the horizontal position.
- To prevent accidents, the picture turns off and only the sound can be heard when the car is moving.
- The LCD panel can be adjusted freely (stepless) to any angle between vertical and 45°.

■ **Built-in FM Modulator**
The TVX4151 includes a built-in FM modulator so it can easily be connected to FM radios (combination units).

English

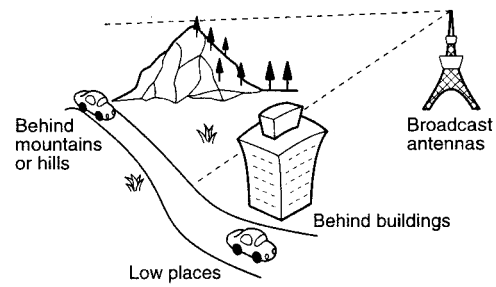
2. BEFORE STARTING

CAUTION

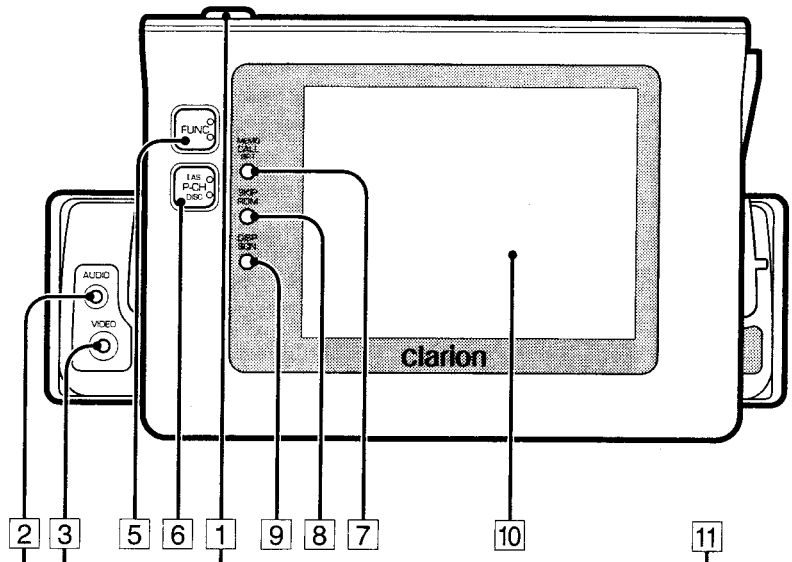
For your safety, the driver should not watch the TV or operate the controls while driving. Please note that watching and operating the TV while driving is prohibited by law in some countries. Also, while driving, keep the volume to a level at which external sounds can be heard.

1. This set is exclusively for use in cars with a 12V power supply, negative ground.
2. Do not operate the set in ways other than those described in this owner's guide. In addition, the LCD panel's opening/ closing mechanism is delicate, so do not operate or use it with excessive force.
3. TV broadcast reception
   When receiving TV broadcasts, the strength of the signals changes since the car is moving, so in some cases it may not be possible to receive clear pictures.
   - TV signals are strongly linear, so reception is affected by buildings, mountains and other obstacles.
   - Such external factors as electric train lines, high voltage lines, and signal devices may disturb the picture or cause noise.

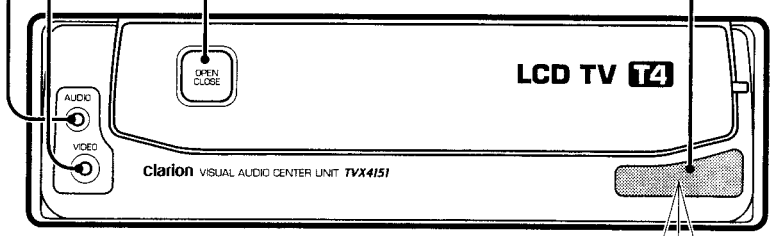
   * If the reception is poor, switch to a station with good reception.
4. Be sure to turn the TV's power off when listening to the car stereo to which the TVX4151 is connected. If the TV is left on, there may be noise in the sound.



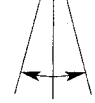
CONTROLS / REGLER / CONTROLLI



When Open
Geschlossen
Quando è chiuso

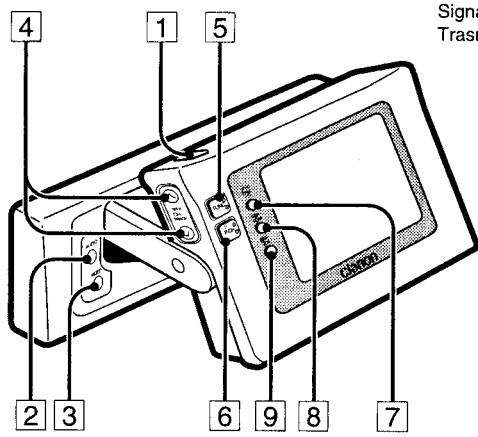


When Closed
Offen
Quando è aperto



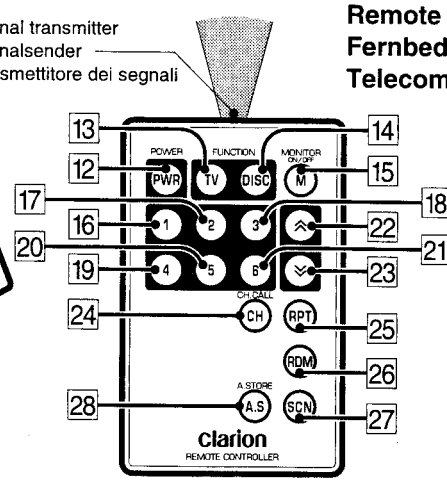
Operation angle: 30° in all directions
Winkel, in dem der Betrieb möglich ist: 30° in alle Richtungen
Angolo operativo: 30° in tutte le direzioni

Visual Audio Center Unit
Visuelles Audio-Hauptgerät
Unità centrale Audio-Visuale



Signal transmitter
Signalsender
Trasmettitore dei segnali

Remote Controller
Fernbedienung
Telecomando



English

3. OPERATION

Identification of Parts

[1] OPEN/CLOSE Button
POWER/PLAY/PAUSE Button [CD]
[2] AUDIO Input Jack
[3] VIDEO Input Jack
[4] UP/DOWN Buttons
(SEEK/CH./TRACK)
[5] FUNC (function) Button
(Band and Mode Switches)
[6] AS (auto store) Button
P-CH (preset channel) Button
DISK Change Button [CD]
[7] MEMO (memory) Button
Channel CALL Button
RPT (repeat) Button [CD]
[8] SKIP Button
RDM (random) Button [CD]
[9] DISP (display) Button
SCN (scan) Button [CD]
[10] LCD (Liquid Crystal Display) Panel
[11] Remote Control Sensor

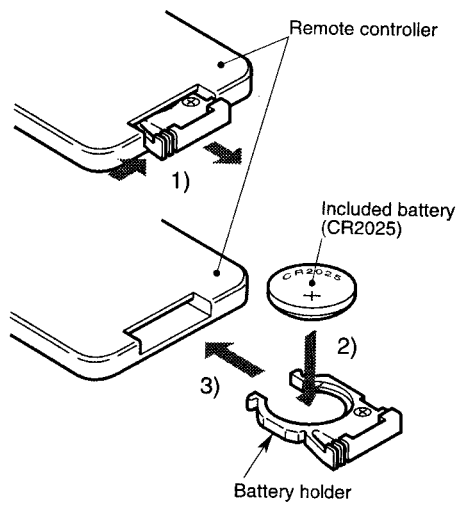
[CD] : Used when a CD changer is connected

Function of Remote Controller Buttons

Button \ Mode		TV	CD CHANGER
[12]	PWR	Turns screen on and off	Play/pause
[13]	TV	Switches between TV and VTR	None
[14]	DISC	None	Switches to auto changer
[15]	MONITOR	Turns screen on and off (Only the sound can be heard to off.)	
[16]	1	Calls out or sets preset no. 1 channel	Calls out disc no. 1
[17]	2	Calls out or sets preset no. 2 channel	Calls out disc no. 2
[18]	3	Calls out or sets preset no. 3 channel	Calls out disc no. 3
[19]	4	Calls out or sets preset no. 4 channel	Calls out disc no. 4
[20]	5	Calls out or sets preset no. 5 channel	Calls out disc no. 5
[21]	6	Calls out or sets preset no. 6 channel	Calls out disc no. 6
[22]	SEEK (⏫)	Auto tuning up	Skip up
[23]	SEEK (⏬)	Auto tuning down	Skip down
[24]	CH.CALL	Turns channel display on and off	None
[25]	RPT	None	Repeat function
[26]	RDM	None	Random function
[27]	SCN	None	Scan function
[28]	A.S	Auto store function	None

Inserting the Battery

1) Turn the remote controller upside down, push the lock on the bottom in the direction of the arrow, and pull out the lid.
2) Insert the included battery (CR2025) with the "+" side facing up.
3) Push the lid back in securely until a click is heard.



Notes:

Using batteries improperly can cause them to explode. Read the following points:

- When replacing the battery, be sure to set the new battery with the "+" side facing up.
- Do not short-circuit, disassemble or heat batteries.
- Do not dispose of batteries in flames.
- Dispose of spent batteries in the proper place.

Preparations

①Turn the car's ignition switch on and start the engine.

The TV will also operate when the key is at the ACC position, but start the engine to avoid running down the battery.

②Check that the parking brake is applied.

Pictures can only be watched when the parking brake is applied.
(See the instructions on connecting the parking brake cord under **"7. WIRE CONNECTION"** on page 58.)

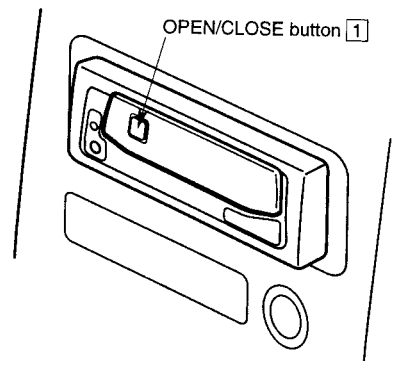
③Turn on the FM radio.

Turn on the power of the car stereo (FM radio) and tune to an FM frequency of 88.7 MHz or 88.3 MHz.

If the car stereo (FM radio) has a preset memory, preset 88.7 MHz or 88.3 MHz for greater convenience. Use the car stereo (FM radio's) volume control to adjust the volume.

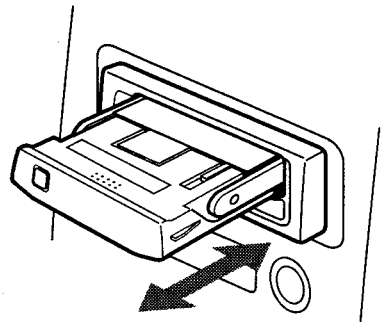
④Opening the LCD panel

Press the OPEN/CLOSE button [1] on the front panel to open the LCD panel.



English

English



If the OPEN/CLOSE button [1] is pressed when the LCD panel is open, the panel is drawn in.

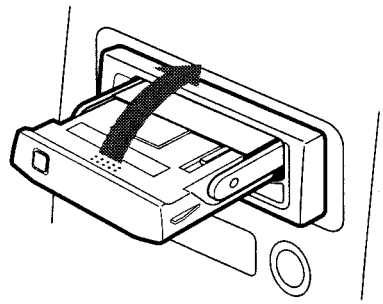
If the LCD panel is left in the open position for more than 10 seconds, it is automatically drawn in.

Note:

The LCD panel cannot be turned up unless it is completely open. If it has stopped before opening completely, press the OPEN/CLOSE button twice again to fully open the LCD panel.
Trying to turn the LCD panel up when it is not fully open will damage it.

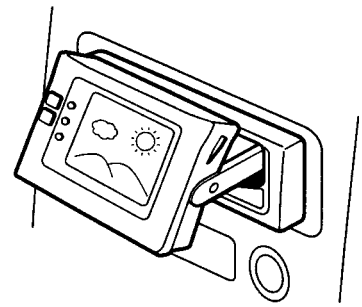
Watching Pictures

With the LCD panel fully open, hold the front edge and turn it upwards.

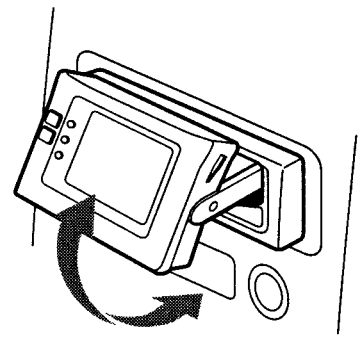


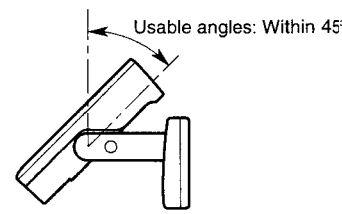
When doing so, try to hold only the front edge so as not to touch the panel's surface. Also, do not turn the LCD panel downwards from the horizontal position. Doing so will damage it. Also be careful not to let your fingers get caught.

When the LCD panel is turned upwards, the TV's power automatically turns on and the picture appears.



①Adjusting the LCD panel to a good viewing angle



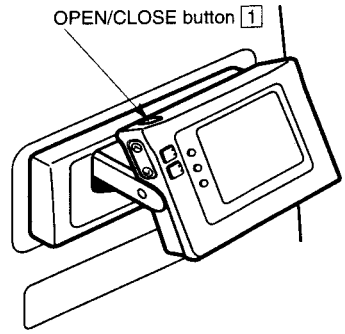


Hold the front edge of the LCD panel and turn it upwards or downwards.

The angle can be adjusted up to 45° upwards from the position at which the power turns on and the picture appears. It cannot be adjusted to any other angle.

②Turning the picture on and off

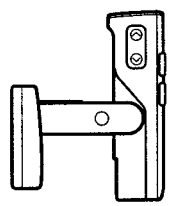
When the OPEN/CLOSE button [1] is pressed while there is a picture on the screen (with the LCD panel turned upwards), the TV's power turns off and the picture turns off. When the button is pressed again, the TV's power turns on and the picture reappears. When the power turns on, the same channel as the one which was set when the power was last turned off reappears.



Slide-back Function

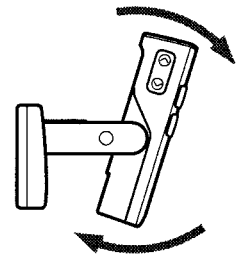
The TVX4151 is equipped with a slide-back function which can be used if the LCD panel touches the shift stick or any other part when it is installed on the car. Use this function as follows:

①LCD panel in vertical position after loading



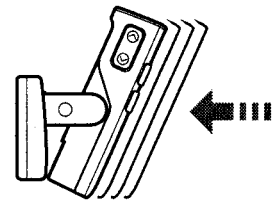
②Releasing the lock

As shown on the diagram below, rotate the top of the LCD panel approximately 25° forwards (in the direction of the arrow) to release the lock.



③After releasing the lock, slide the LCD panel back.

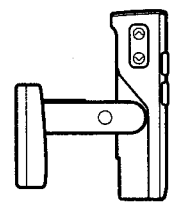
Being careful that the rear of the LCD panel does not touch the instrument panel or any protruding parts of the car, after releasing the lock, push the entire LCD panel towards the instrument panel.
(The LCD panel can be slid back by up to 32 mm, in four steps of 8 mm. For some cars, however, it may only be possible to move it 1 to 3 steps.)



④After sliding the LCD panel back, set it once again in the vertical position and lock it.

When adjusting the angle of the screen after the LCD panel has been pushed back, be careful that the rear does not touch anything.

* Move the LCD panel to the position in ① above to store it back in the main unit.
(The LCD panel can be drawn out to the original position as such without releasing the lock. When the ACC power is turned off, the LCD panel automatically jumps out to the original position so that it can easily be stored back in the main unit.)



English

English

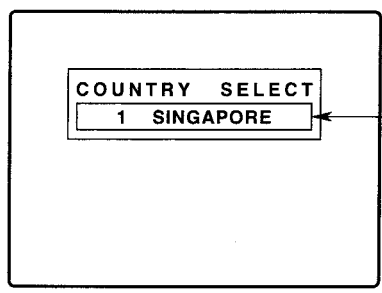
Setting the Country Reception Mode

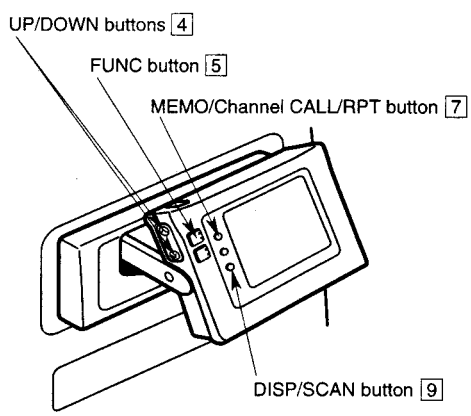
Broadcast channels differ from country to country. Use the following procedure to set the broadcast channels for the country to be received.

①Press the FUNC button [5] and the MEMO/Channel CALL/RPT button [7] simultaneously for at least 5 seconds.

(The country reception mode setting screen appears. The mode is set to **"1 SINGAPORE"** upon shipment from the factory.)

②Use the UP/DOWN buttons [4] (△ and ▽) to display the country to be received.





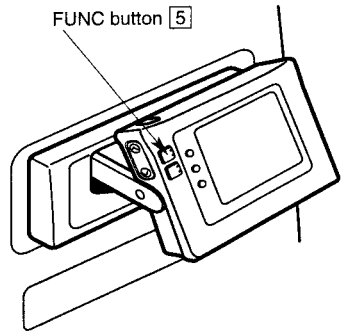
Display	
1 SINGAPORE	24 AFGHANISTAN
2 INDONESIA	25 U. ARAB E.
3 THAILAND	26 YEMEN
4 MALAYSIA	27 ISRAEL
5 SRILANKA	28 OMAN
6 PAKISTAN	29 QATAR
7 MOLDIVES	30 CYPRUS
8 INDIA	31 KUWAIT
9 BOSNIA I H.	32 TURKEY
10 SLOVENIJA	33 BAHRAIN
11 MAKEDONIJA	34 JORDAN
12 ICELAND	35 ALGERIA
13 SWEDEN	36 UGANDA
14 DENMARK	37 GHANA
15 NORWAY	38 ZAMBIA
16 FINLAND	39 NIGERIA
17 AUSTRIA	40 LIBERIA
18 NETHERLAND	41 SIERRA LEONE
19 SWISS	42 KENYA
20 SPAIN	43 SUDAN
21 GERMANY	44 ITALY
22 BELGIUM	45 ALBANIA
23 PORTUGAL	46 NEW ZEALAND

③Press the DISP/SCAN button [9].

The reception mode for the selected country is set and the previous screen reappears.

Switching the Band and Mode

The reception band and mode switches as follows when the FUNC button [5] is pressed:



→ TV1 → TV2 → VTR ┐

When the system expansion connector is used and when a CD changer is connected, the band and mode switches as follows:

→ TV1 → TV2 → VTR1 → VTR2 → CD ┐

Tuning in Stations

① Tuning using the preset channels (see page 11 for instructions on presetting channels)

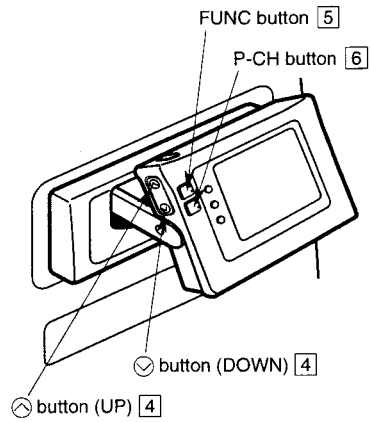
Press the FUNC button [5] and switch to the TV1 or TV2 band and mode.
Press the P-CH button [6] to switch to the next preset channel. The current channel is displayed at the upper right of the screen.

② Manual tuning

Use the UP/DOWN buttons [4] to tune in channels.

- ⌃ button: When pressed briefly (for less than 0.5 seconds), the channel increases by one.
- ⌄ button: When pressed briefly (for less than 0.5 seconds), the channel decreases by one.

When one of these buttons [4] is pressed for more than 0.5 seconds, the auto tuning mode is set and tuning automatically stops at channels with broadcasts.



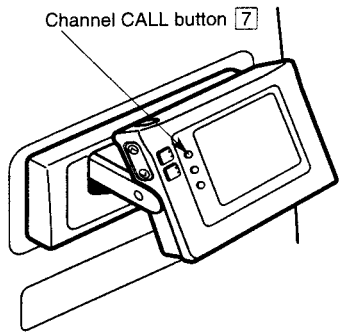
Note:
With auto tuning, tuning may stop before or after the actual broadcast frequency. If this happens, repeat the auto tuning operation.

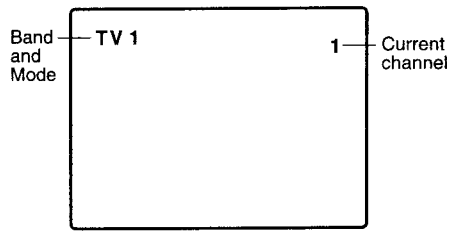
English

English

Channel Call Function

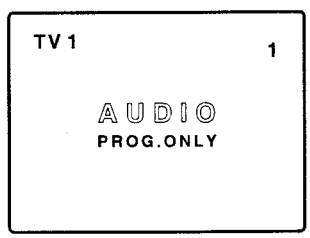
Press the Channel CALL button [7] to display the number of the channel currently tuned in.





Screen Display While the Car is Moving

The TVX4151 has a safety function which turns off the picture when the car is moving, so only the audio can be heard.

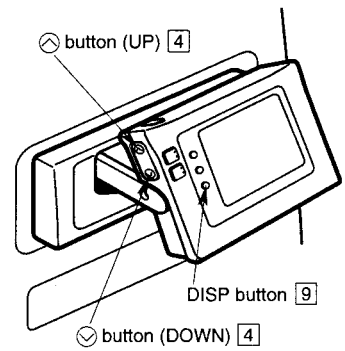


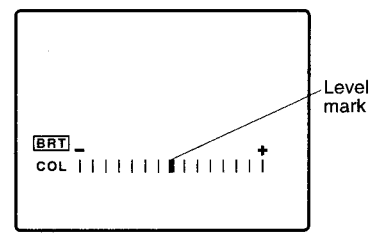
Note:
The TV picture can only be watched when the car is stopped and the parking brake is applied.

Adjusting the Picture

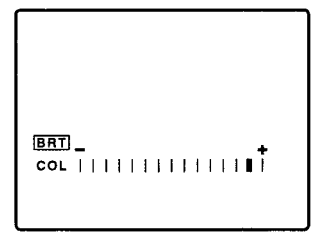
① Adjusting the brightness (BRT)

Press the DISP button [9], then press the ⌃ or ⌄ button [4] to adjust the brightness.

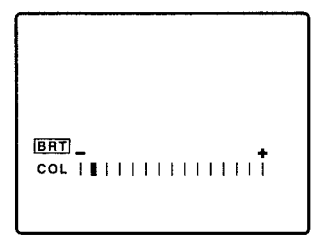




Normally there is a level mark at the center.



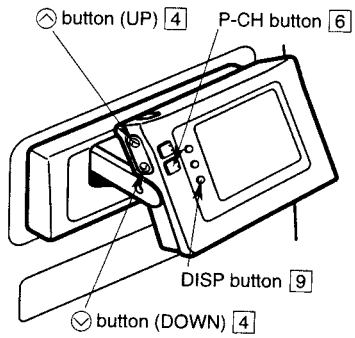
Press the ⌃ button to make the picture brighter.

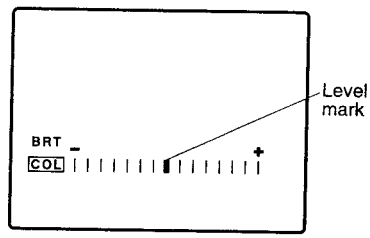


Press the ⌄ button to make the picture darker.

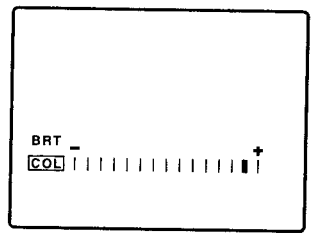
② Adjusting the color density (COL)

Press the DISP button [9], then press the P-CH button [6]. (**"COL"** switches to white, indicating that the color density can be adjusted.) Now use the ⌃ and ⌄ buttons [4] to adjust the color density.

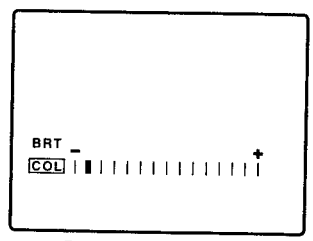




Normally there is a level mark at the center.



Press the ⌃ button to make the colors denser.

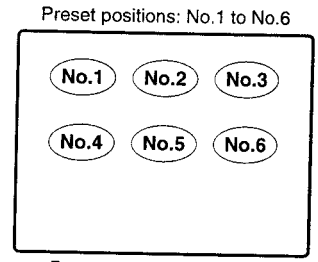


Press the ⌄ button to make the colors thinner.

Adjust the brightness and color density when the indicators for their modes are displayed. The previous screen reappears 5 seconds after the DISP button [9] is pressed.

Setting Preset Channels

Use the procedure described below to change preset positions or change the arrangement of the VHF and UHF channels.

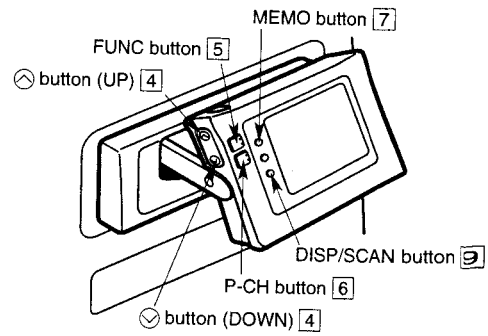


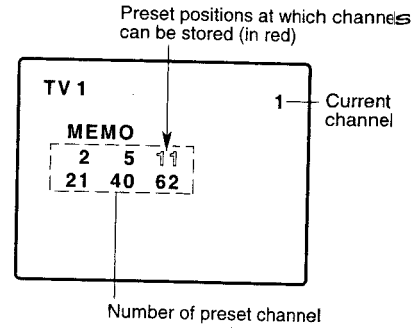
Presetting procedure

① Press the FUNC button [5] and select the reception band and mode, TV1 or TV2.

② Press the DISP/SCAN button [9] for more than 2 seconds.

(The preset mode screen appears.)





English

English

③ Select the preset position and the channel to be preset.

- **To change the preset position**
  Press the P-CH button [6]. The preset position changes in the order No. 1, No. 2 ...
- **Changing the channel to be preset**
  Use the ⌃ and ⌄ buttons [4] to tune in the desired channel. The picture and the channel display are changed.

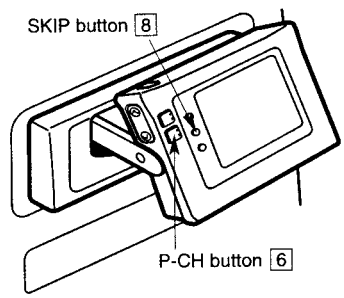
④ Setting the channel

Press the MEMO button [7]. The current channel is preset. To change the setting, repeat steps ② and ③ to preset the new channel.

Selecting channel skip

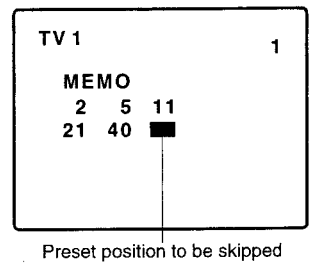
"Channel skip"
This is a convenient function which can be used when you want to preset 5 channels or less (when there is no need to preset 6 channels). Preset positions for which channel skip is required are set during tuning.

① After performing the presetting operation (step ①), press the P-CH button [6] to select the preset position to be skipped.



② Press the SKIP button [8]. A ■ mark (red) appears at that preset position and the channel skip setting is stored in the memory.

Repeat steps ① and ② to set channel skip for more than one preset position.



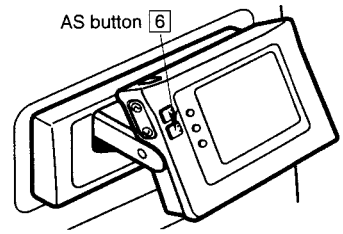
Presetting channels using the auto store function

"Auto Store"
This is a convenient function which automatically stores receivable stations in the memory in order starting from channels with smaller numbers.

Press the FUNC button [5] and select the reception band, TV1 or TV2.
Press the AS button [6] for more than 2 seconds. Receivable stations are stored in the memory in order starting from channels with smaller numbers.
When the AS button [6] is pressed after the stations are stored in the memory, only the stored channels are tuned in.

Channels may not be stored in the memory in areas where signals are weak.

Depending on the condition of the signals, empty channels may be stored in the memory when the auto store function is used. If this happens, set channels in the empty positions using the preset channel setting mode.



After Watching TV

Always store the LCD panel back in the main unit when you have finished TV (or a video) and do not plan to use it for a while or when leaving the car.

Storing the LCD panel

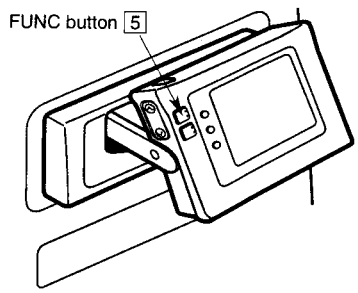
Securely lock the LCD panel in the horizontal position.
When it is locked, the power turns off, and after 1 second the LCD panel is automatically drawn into the main unit.

Auto Dimmer Function

The brightness of the screen is automatically dimmed when the car's lights are turned on at night.

Watching Videos

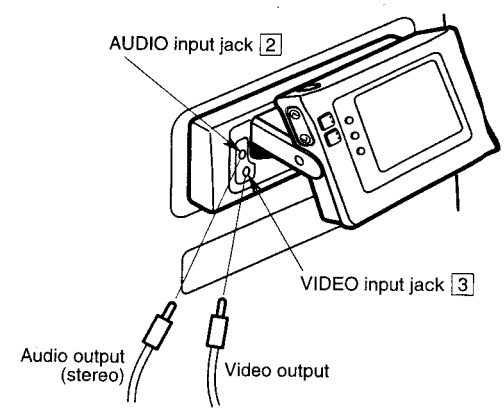
Press the FUNC button [5] to switch to the VTR mode, and start playback on the video component.



- When a video component is connected to the video input jack on the rear panel, **"VTR1"** or **"VTR2"** appears on the screen.

VTR1
This is for the video component connected to the video input jack on the rear panel of the main unit.
To connect, purchase a separately sold CCA-389-600 (RCA pin → 8-pin).

VTR2
This is for the video component connected to the input jack on the front panel of the main unit.
Connect the video's audio and video output jacks to the AUDIO input jack [2] and the VIDEO input jack [3], respectively.
To connect, purchase an RCA pin → stereo mini-jack converter cord.



Note:
Like with the TV picture, the TVX4151 has a safety function which turns off the video picture when the car is moving, so only the audio can be heard.
The video picture can only be watched when the car is stopped and the parking brake is applied.

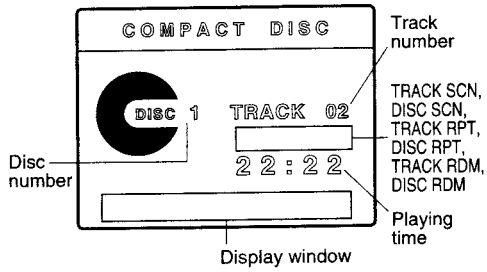
English

English

Operating a CD Auto Changer

When a separately sold CD auto changer is connected, it can be controlled from the TVX4151. The following CD auto changers can be connected to the TVX4151:
CDC9600, CDC9500, CDC9350 and CDC605

Screen display when playing CDs

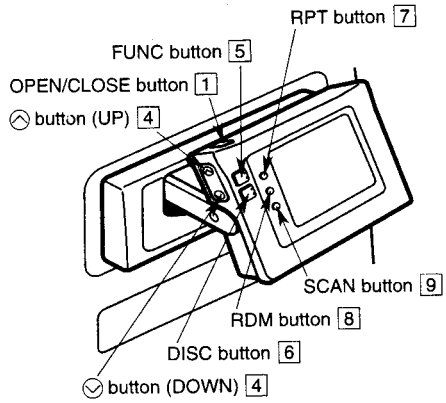


The display window displays the following (Nothing is displayed when a CD is playing):

Display	Operation
PAUSE	Pause mode
EJECT	CD magazine being ejected
NO DISC	No magazine loaded in CD auto changer
CHECK	Check of CD magazine when magazine is loaded into auto changer
ERROR 1 to 6	See error mode table on page 17.
HI-TEMP	See error mode table on page 17.

①Playing a CD

Press the FUNC button [5] to set the auto changer mode. (The auto changer is set to the playback mode.)



②Stopping the CD

Press the OPEN/CLOSE button [1] (POWER /PLAY/PAUSE button) to stop the CD. Press it again to set the playback mode.

③Changing tracks

Use the △ and ▽ buttons [4] to change tracks. The current track number is displayed next to **"TRACK"** at the bottom right of the screen.

④Changing discs

Press the DISC button [6] repeatedly to switch between discs. The number of the currently playing disc is displayed in white.

⑤Search function (forwarding and reversing while listening to the sound)

The search mode is set when the △ or ▽ button [4] is pressed for more than 1.5 seconds.

⑥Scan function

Press the SCAN button [9] to set the scan mode.
Press the SCAN button [9] for more than 2 seconds to set the disc scan mode.

- **Scan mode**: The first 10 seconds of all the tracks on all the discs are played.
- **Disc scan mode**: The first 10 seconds of the first track on all the discs are played.

Press the SCAN button [9] again to cancel the scan mode.

⑦Random function

Press the RDM button [8] to set the random mode.
Press the RDM button [8] for more than 2 seconds to set the disc random mode.

- **Random mode**: The tracks on the currently playing disc are played in random order.
- **Disc random mode**: All the tracks on all the discs are played in random order.

Press the RDM button [8] again to cancel the random mode.

⑧ Repeat function

Press the RPT button [7] to set the repeat mode.
Press the RPT button [7] for more than 2 seconds to set the disc repeat mode.

- **Repeat mode**: The current track is played repeatedly.
- **Disc repeat mode**: The current disc is played repeatedly.

Press the RPT button [7] again to cancel the repeat mode.

Operating with the Remote Controller

Point the remote controller's signal transmitter towards the remote control sensor [11] and press the desired button.

Notes on Using the Remote Controller

- The remote controller may not function if the remote sensor is exposed to direct sunlight. If this happens, block the sunlight when operating the remote controller.
- Replace the remote controller's battery if the distance or range from which the remote control unit operates decreases.
- Do not leave the remote controller in places in the car which become hot. Doing so may damage or deform it.
- Point the remote controller's signal transmitter towards the remote sensor within a vertical and horizontal angle of 30° when operating it.

English

English

4. TROUBLESHOOTING

The following symptoms may not indicate a problem with the set. Check these points once again before requesting repairs.

Symptom	Cause	Remedy
Power does not turn on	LCD panel is not turned up	The set is designed so that the power turns on automatically when the liquid crystal panel is turned upwards. Check once again that it is turned up.
Picture does not appear	Parking brake is not applied	Check that the parking brake is fully applied.
	Car is moving	The picture will not appear when the car is moving. Stop the car to watch the picture.
	Function does not switch to TV mode	To watch TV, check that the TV mode has been set with the FUNC button.
Picture is not clear	Signal condition is poor	The signals may be too weak behind mountains, buildings, etc. Check again in a place where the signals are strong.
Screen is dark	Brightness is adjusted too low	Check that the brightness is properly adjusted.
	Usage conditions are poor	This may happen if the temperature in the car is below −10°C or above 60°C. Check again when the temperature is between 0 and 60°C.
	Car's lights are on	The set is designed so that the screen dims at night so that it is not too bright. The screen gets dark if the car's lights are turned on in the daytime.
Colors are pale	Color density is adjusted too low	Check that the color density is properly adjusted.
Picture has shadow or shadows	Signal condition is poor	This may be due to signals reflected off mountains or buildings. Check again in a different place and direction.
Spots or stripes on picture	Interference signals	This may be caused by interference from other cars, trains, high voltage lines, neon lights, etc. Check again in another place.
No sound is produced	FM modulator not properly set	No sound will be produced if the car stereo's FM frequency is not properly set. Check that the frequency is right.
	Volume adjustment	The center unit's volume may be set to the minimum. Check again.
LCD panel is not drawn in when it is set to the horizontal position	Foreign object at back of tray	The panel will not be properly drawn in if there is an object on the tray in the TV storage compartment. Remove the object.

Compact fluorescent light

The built-in compact fluorescent light has a service life of approximately 15,000 hours. If the picture is dim or flickers under normal conditions, have the fluorescent light inspected.

CD Auto Changer Display Screen Error Mode Table

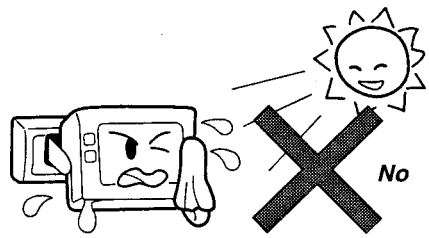
Error display	Name of error	Description
ERROR-1	Memory error	This error occurs if the disc loading data, etc., is lost due to wear of the CD auto changer's battery. (Insert an empty magazine and eject it to return to the first disc.) **Note**: Remove all the discs from the magazine, insert the empty magazine and press the eject key.
ERROR-2	Mechanical error	This error occurs if there is a problem with the mechanism and the eject or disc selection operation is not completed in the specified amount of time. (Have the CD auto changer serviced.)
ERROR-3	Functional error	This error occurs if the pickup cannot focus after several tries due to scratches on the disc, signal interference, etc. (Replace the disc.)
ERROR-5	Data disc	This error occurs if a CD-ROM or other data disc is inserted. **"ERROR-5"** is displayed for 5 seconds, and the next disc is selected.
ERROR-6	Disc error	This error occurs when the disc is loaded upside-down, etc. **"ERROR-6"** is displayed for 5 seconds, and the next disc is selected. (Reload the disc properly.)
HI-TEMP	Temperature error	This error occurs when the CD mechanism's temperature sensor detects that the temperature is high. Wait until the temperature returns to normal to play discs.

English

5. CAUTIONS ON HANDLING

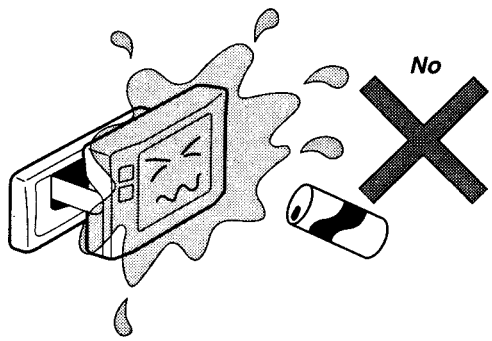
For a longer service life, be sure to read the following cautions.

- Be sure to store the LCD panel inside the main unit when parking the car outdoors for long periods of time.

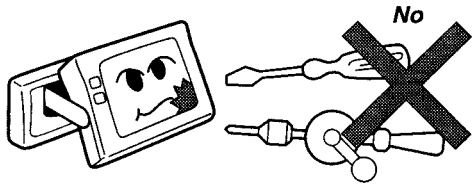


The LCD panel will operate properly in a temperature range of 0 to 60°C.

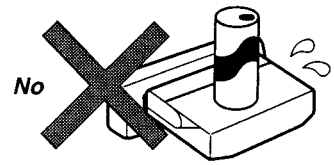
- Don't allow any liquids on the set from drinks, umbrellas etc. Doing so may damage the internal circuitry.



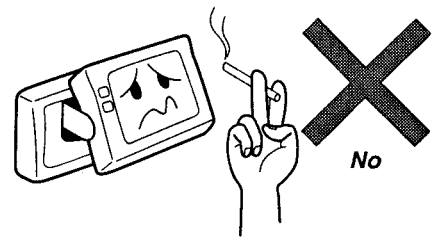
- Do not disassemble or modify the set in any way. Doing so may result in damage.



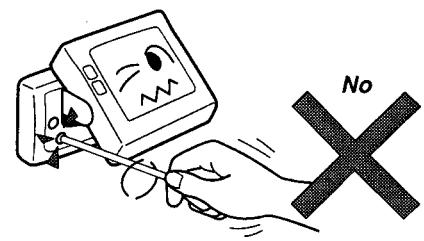
- Do not draw the LCD panel out and use it as a tray. Also, subjecting the LCD panel to shocks may result in breakage, deformation or other damage.



- Do not let cigarettes burn the TV unit. Doing so may damage or deform the cabinet.



- Do not insert objects into the video input jack.



- If a problem should occur, have the set inspected at your store of purchase.
- Do not insert objects or poke in the space between the LCD panel and the main unit when the panel is tilted.
- Do not place anything on the TV unit when the LCD panel is tilted.
- Do not hold on the screen when adjusting the angle of the LCD panel. Doing so may damage it.
- The remote controller may not work if the remote control sensor is exposed to direct sunlight.
- The fluorescent light used behind the screen eventually wears out. It should be replaced if the picture becomes extremely dark or flickers.
- In extremely cold weather, the movement of the picture may be slow and the screen may be dark, but this is not a malfunction. The set will work normally once the temperature increases.

English

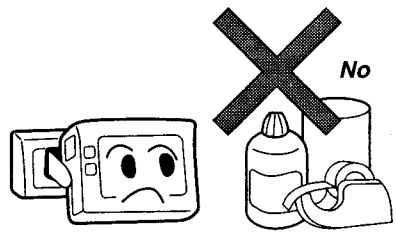
- Small black and shiny dots inside the LCD panel are normal for LCD products.
- The LCD panel may stop temporarily when it is opened or closed when the engine is stopped or when it is cold. This is not a malfunction. If this happens, repeat the operation.

Cleaning

• Cleaning the cabinet

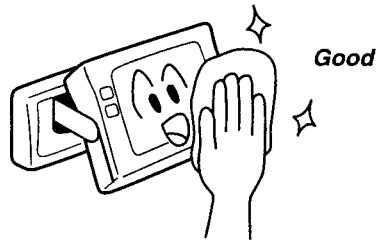
Use a soft, dry cloth and gently wipe off the dirt.
For tough dirt, apply some neutral detergent diluted in water to a soft cloth, wipe off the dirt gently, then wipe again with a dry cloth.

Do not use benzene, thinner, car cleaner, etc., as these substances may damage the cabinet or cause the paint to peel. Also, leaving rubber of plastic products in contact with the cabinet for long periods of time may cause stains.

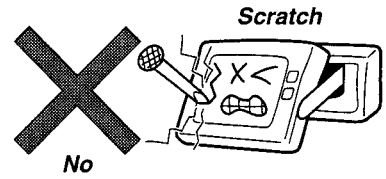


• Cleaning the LCD panel

The LCD panel tends to collect dust, so wipe it off occasionally with a soft cloth.



The surface is easily scratched, so do not rub it with hard objects.



English